

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standard.
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U. S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No.1218-0072

IDENTITY (As Used on Label and List)

Manganese Dioxide Lithium Battery (CR2025)

Note: Blank spaces are not permitted. If any item is not applicable, or no
 information is available, the space must be marked to indicate that.

Section I

Manufacture's Name

TOSHIBA BATTERY CO.,LTD.

Emergency Telephone Number

Address (Number, Street, City, State, and ZIP Code)

Telephone Number for Information

TOKYO 03-5479-8237

Date Prepared

22 September, 2004

4-10, MINAMI-SHINAGAWA 3-CHOME,

Signature of Prepare (optional)

SHINAGAWA-KU, TOKYO 140-0004, JAPAN

Section II -Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	
			Recommended	%(optional)
Components firmly sealed within stainless-steel shell.				
1) Manganese Dioxide		25wt%		
2) Lithium Metal		2wt%		
3) Non aqueous Electrolyte		6wt%		
Battery Weight 2.5g / Cell				

Section III - Physical / Chemical Characteristics

Boiling Point

N/A

Specific Gravity (H₂O=1)

N/A

Vapor Pressure (mm Hg)

N/A

Melting Point

N/A

Vapor Density (AIR=1)

N/A

Evaporation Rate
(Butyl Acetate = 1)

N/A

Solubility in Water

N/A

Appearance and Odor

* Coin - Shaped, Odorless.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

N/A

Flammable Limits

LEL

N/A

UEL

N/A

Extinguishing Media

N/A

Special Fire Fighting Procedures

Use of self-contained Breathing Apparatus and proper personal protective equipment is recommended.

Unusual Fire and Explosion Hazards

When exposed to excessive heat cells may rupture and burn.

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	N/A

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur	N/A	Conditions to Avoid
	Will Not Occur	N/A	N/A

Section VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
-------------------	-------------	-------	------------

Health Hazards (Acute and Chronic)

N/A

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
------------------	------	------------------	-----------------

N/A

Signs and Symptoms of Exposure

N/A

Medical Conditions

Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedures

N/A

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

When accumulating large quantities of undercharged batteries for disposal, park in a non-conductive insulating material.

Waste Disposal Method

When discharged, the Wisconsin department of natural resources has declared this type of Lithium cell

Non-hazardous. Dispose of according to appropriate local, state and federal waste regulations.

Precautions to Be Taken in Handling and Storing

Don't store unpacked batteries together. This situation will result in cell shorting and heat build-up.

Store under normal temperature and dry conditions.

Other Precautions

None under Normal use.

Section VIII - Control Measures

Respiratory Protection (Specify Type)

N/A

Ventilation	Local Exhaust	Special
		N/A
	Mechanical (General)	Other
		N/A

Protective Gloves

None

Eye Protection

N/A

Other Protective Clothing Equipment

N/A

Work/Hygienic Practices

N/A